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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/730,053	12/09/2003	Kenichiro Aridome	246314US6	2956

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EXAMINER	
ZHAO, DAQUAN	

ART UNIT	PAPER NUMBER
2621	

NOTIFICATION DATE	DELIVERY MODE
08/28/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary

Application No.

10/730,053

Applicant(s)

ARIDOME, KENICHIRO

Examiner

Daquan Zhao

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Kikuchi et al (US 2002/0,041,754 A1).

In regards to claim 1, Kikuchi et al teach a method of compressing and recording data of image information on a recording medium, wherein read/write unit information as a unit of reading and writing the compressed image information to the recording medium contains a plurality of decoding and reproducing unit information comprising one frame (or one field) of the image information (e.g. figure 1 discloses a encoder and a decoder for recording and data reproduction); and

wherein at least one piece of the decoding and reproducing unit information is subject to compression encoding through the use of only image information in an associated decoding and reproducing unit (e.g. paragraph [0050]-[0058])

the method comprising a step of: multiplexing and recording additional information about the decoding and reproducing unit information for a plurality of units within the read/write unit in the read/write unit information in an extractable manner separately from the compressed image information (e.g. [0098], [0102]-[0103], the RDI pack corresponds to the additional information).

Claims 7 and 13 are rejected for the same reasons as discussed in claim 1 above.

Claim 25 is rejected for the same reasons as discussed in claim 1, wherein paragraph [0057]-[0057] teach a film camera mode for obtaining the video image. Thus, the system must have an imaging optical system, which corresponds to the camera, for forming an object image on the imaging element;

Regarding claims 2, 8, 14 and 26, Kikuchi et al teach the read/write unit information comprises a plurality of blocks each having the specified amount of data; and wherein the additional information comprises one or more of the blocks (e.g. figure 3, RDI pack, V pack and A Pack).

For claims 3, 9, 15 and 27, Kikuchi et al teach the additional information block is multiplexed at a predetermined block position in the read/write unit and is recorded on the recording medium (e.g. figure 3, RDI pack is contain in the VOB).

Regarding claims 4, 10, 16, and 28, Kikuchi et al teach the additional information block is multiplexed at a block position immediately before or after a group of blocks including compressed image information processed by compression encoding through the use of only image information in the decoding and reproducing unit and is

recorded on the recording medium (e.g. figure 4 shows the RDI pack is at the beginning of the video object unit).

Regarding claims 5, 11, 17, and 29, Kikuchi et al teach the additional information includes at least information about a time to obtain the image information (e.g. paragraph [0055], recording time).

Regarding claims 6, 12, 18, and 30, Kikuchi et al teach the additional information includes information about a condition of obtaining the image information (e.g. paragraph [0057] film camera mode).

Regarding claim 19, Kikuchi et al teach reading compressed image information according to the read/write unit from the recording medium, decompressing the compressed image information, and reproducibly outputting image information according to the decoding and reproducing unit (e.g. paragraph [0072] teach the data are encoded in MPEG compression format, and the data must be decoded in MPEG decompression format); and extracting the additional information contained in the read/write unit and reproducibly outputting the additional information in synchronization with reproduction output of the image information according to the decoding and reproducing unit contained in the corresponding read/write unit (e.g. [0097]-[0098], the decoder which is user for reproduction, wherein the operation of the decoder is in synchronization with the System Time Clock (TSC), packs in figure 3, which include the RDI pack, V pack and A pack and SP pack, are extracted by the decoder in synchronism with the STC).

Claim 20 is rejected for the same reasons as discussed in claim 19 above, wherein paragraph [0083] teach data in the VOB in figure 3, which contains the V pack is reproduced in accordance with the time code specify in the RDI pack, which corresponds to "using the reproduced additional information to control image information according to the decoding and reproducing unit (VOB) contained in the corresponding read/write unit.

Claims 21 and 24 are rejected for the same reasons as discussed in claim 20 above, wherein figure 1 discloses the key input section, which contains play, stop, REC, and TS...etc commands, and user can use these command to control the system in figure 1 to "reproducibly outputting the encoded image information in the decoding and reproducing unit repeatedly for the number of decoding and reproducing units fewer than the number of decoding and reproducing units contained in the read/write unit" because user can stop playing the decoder when the reproducing data from the read/write unit before all the data in the read/write unit is reproduced.

Claims 22 and 23 are rejected for the same reasons as discussed in claim 22 above.

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Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kanota et al (US 6,684,026 B2); Tojo (US 7,071,974 B2). Kashiwagi et al (US 6,519,414 B2)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daquan Zhao whose telephone number is (571) 270-1119. The examiner can normally be reached on M-Fri. 7:30 -5, alt Fri. off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tran Thai Q, can be reached on (571)272-7382. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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